

Converting Colors

XYZ(20.1936, 18.6365, 17.4279)

Have a look what the booklet for
XYZ(20.1936, 18.6365, 17.4279)
contains.

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Color

**XYZ(20.3405, 18.7558,
17.5871)**

Conversions

Conversions Part 1

Format	Color
Hex	91706F
RGB	145, 112, 111
RGB Percent	57%, 44%, 44%
CMY	0.4314, 0.5608, 0.5647
CMYK	0.00, 0.23, 0.23, 0.43
HSL	2°, 13%, 50%
HSV	2°, 23%, 57%
XYZ	20.3405, 18.7558, 17.5871
YIQ	121.7530, 19.9890, 6.6850

Conversions

Conversions Part 2

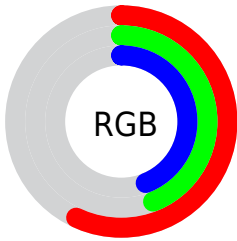
Format	Color
R_{YB}	145, 112, 111
Decimal	9531503
CIE Lab	50.40, 12.87, 5.56
CIE LCh	50, 14.017, 23.384
Yxy	18.7558, 0.3588, 0.3309
Android (android.graphics.Color)	4287721583 (0xFF91706F)
YUV	121.7530, -5.3012, 20.3876
Hunter-Lab	43.3080, 8.0473, 6.2383

Details

The XYZ color **20.3405, 18.7558, 17.5871** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.6394, 25.3697, 30.5446**, and the grayscale version is **18.4308, 19.3906, 21.1163**.

A 20% lighter version of the original color is **43.4395, 41.3374, 40.3397**, and **7.3467, 6.4054, 5.5518** is the 20% darker color. If you saturate the color by 10%, you get **18.1729, 15.5961, 13.2401**, and if you desaturate by 10%, it is **22.8815, 22.4545, 22.6984**.

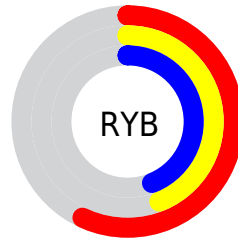
Distribution



Red (57%)

Green (44%)

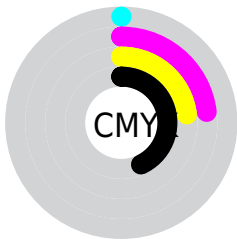
Blue (44%)



Red (57%)

Yellow (44%)

Blue (44%)

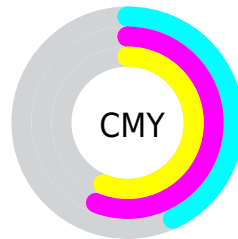


Cyan (0%)

Magenta (23%)

Yellow (23%)

Black (43%)



Cyan (43%)

Magenta (56%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3405, 18.7558, 17.5871 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.3405, 18.7558, 17.5871 by changing the saturation by 10% instead.

■ 20.3405, 18.7558,
17.5871

■ 20.3405, 18.7558,
17.5871

246.5511,
245.0973, 250.6908

■ 12.7525, 11.4940,
10.4876

■ 43.4869, 41.3211,
40.1369

■ 7.3342, 6.4001,
5.6136

■ 59.7761, 57.3932,
56.4242

■ 3.7201, 3.0899,
2.5466

■ 79.6963, 77.1710,
76.6113

■ 1.5450, 1.1788,
0.8647

■ 103.6129,
101.0388, 101.1165

■ 0.3562, 0.0443,
0.0000

131.8914,
129.3809, 130.3586

■ 0.0000, 0.0000,
0.0000

164.8970,

162.5817, 164.7560

202.9951,
201.0257, 204.7272

■ 20.3405, 18.7558,
17.5871

■ 20.3405, 18.7558,
17.5871

■ 18.1729, 15.5961,
13.2401

■ 22.8815, 22.4545,
22.6984

■ 16.3595, 12.9478,
9.6197

■ 25.8106, 26.7128,
28.6070

■ 14.8822, 10.7847,
6.6866

■ 29.1438, 31.5538,
35.3455

■ 13.7201, 9.0776,
4.3973

■ 32.8955, 36.9980,
42.9442

■ 12.8504, 7.7936,
2.7034

■ 37.0796, 43.0654,
51.4318

■ 12.2471, 6.8960,
1.5497

■ 41.7092, 49.7747,
60.8360

■ 11.8796, 6.3413,
0.8707

■ 46.7969, 57.1441,
71.1828

■ 11.7236, 6.1126,
0.5620

■ 52.3549, 65.1909,
82.4977

■ 58.3949, 73.9318,
94.8048

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.5571, 18.7558, 21.2983



20.3405, 18.7558, 17.5871



19.4351, 18.7558, 14.9735

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.3405, 18.7558, 17.5871



15.8061, 18.7558, 16.2667



17.5268, 18.7558, 28.8158

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.3405, 18.7558, 17.5871



21.6394, 25.3697, 30.5446

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.3099, 18.7558, 27.0536



20.3405, 18.7558, 17.5871



15.3497, 18.7558, 19.5698

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.3405, 18.7558, 17.5871



16.8074, 18.7558, 14.2817



15.5293, 18.7558, 23.5460



18.8867, 18.7558, 28.1094

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.3405, 18.7558, 17.5871



18.5863, 18.7558, 14.0444



15.5293, 18.7558, 23.5460



17.0883, 18.7558, 28.4859

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.3410, 18.7567, 17.5875



44.2000, 44.8988, 47.1475



22.4289, 19.4158, 29.1252



9.7745, 9.9035, 10.3709



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.3410, 18.7567, 17.5875



34.3520, 30.5659, 27.3312



22.3398, 22.7543, 18.2538



5.4208, 5.4480, 5.6552



10.0591, 5.2499, 0.4832



0.0982, 0.0543, 0.0053

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.6394, 25.3697, 30.5446



37.0844, 44.4847, 54.6054



19.3121, 20.7150, 29.7688



5.5468, 6.0894, 6.9118



12.5220, 18.0301, 25.7973



0.1225, 0.1779, 0.2476

Previews

White Background



This preview shows how the XYZ color 20.3405, 18.7558, 17.5871 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.3405, 18.7558, 17.5871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3405, 18.7558, 17.5871

Background



This preview shows how black text looks on a background with the XYZ color 20.3405, 18.7558, 17.5871.



This preview shows how white text looks on a background with the XYZ color 20.3405, 18.7558,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.3405, 18.7558, 17.5871

Protanopia

17.9794, 18.8817, 18.9166

Deuteranopia

19.0515, 18.7675, 17.3702



Tritanopia

20.8683, 18.8118, 19.9839

Trichromacy



Original Color

20.3405, 18.7558, 17.5871

Protanomaly

18.7586, 18.7628, 18.5525

Deuteranomaly

19.5927, 18.8762, 17.3627

Tritanomaly

20.6909, 18.7408, 19.0498

Monochromacy



Original Color

20.3405, 18.7558, 17.5871

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.9544, 19.0107, 19.8100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3405, 18.7558, 17.5871 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(145, 112, 111)` looks like.

```
.text, #text, p{  
    color:rgb(145, 112, 111)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(145, 112, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 112, 111) }
```

Border

The CSS property to change the border of an element to XYZ 20.3405, 18.7558, 17.5871 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 112, 111) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(145, 112, 111) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(145, 112, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 112, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 112, 111);  
box-shadow:4px 4px 4px 4px rgb(145, 112,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3405, 18.7558, 17.5871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 112, 111) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(145,  
112, 111) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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